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Ead et al.

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- [54] SUBMARINE PORTABLE VERY LOW
FREQUENCY ACOUSTIC AUGMENTATION
SYSTEM

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[57] **ABSTRACT**

A very low frequency augmentation system consists of a mobile target very low frequency projector (VLFP) adapted for operation as an augmentation device and installed within a torpedo shell housing. The housing is loaded within the torpedo tube of a submarine. A control and power interface is provided between the housing and the submarine to operate and monitor the augmentation device from the submarine. The housing is loaded in one of the submarine's torpedo tubes and the tube is flooded. The VLFP transmits low frequency vibrations into the surrounding seawater, acting as an augmentor.

- [21] Appl. No.: 56,041

- [22] Filed: Apr. 1, 1998

- [51] Int. Cl.⁶ H04K 3/00

- [52] **U.S. Cl.** 367/1; 367/137

- [58] **Field of Search** 367/1, 137, 165;
434/6, 10

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12 Claims, 1 Drawing Sheet

